

ABSTRACT

A composition for immunohistochemical staining which contains a diagnostic marker comprising an antibody bound with a fluorescent functional group, together with a substance selected from the group consisting of a glycerophospholipid, a fatty acid, and a surfactant consisting of a saccharide derivative. The composition has excellent fluorescence intensity and does not cause problems of damaging living tissues and DNAs due to irradiation by ultraviolet light, and hence is useful for in vivo immunohistochemical staining. For example, it enables efficient and safe quasi-internal early diagnosis of malignant neoplasia of epithelial tissues such as esophagus cancer, stomach cancer, and large bowel cancer by using infrared ray endoscope and other, or identification and diagnosis of lesions during surgical operation.